



3B - **S**oldering.co.uk

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY/UNDERTAKING**

1.1 **Product identifier**

> **GHS** Product Identifier **Bare Conductive Paint**

Water-based dispersion of carbon pigment in Natural Chemical Name

resin

Other names

CAS No. Mixture - Not applicable EINECS No. Mixture - Not applicable

1.2 Relevant identified uses of the substance or

mixture and uses advised against

Electrically conductive paint Identified use(s)

Uses advised against None

1.3 Details of the supplier of the safety data sheet

> Company Identification **Bare Conductive Limited**

> > First Floor

98 Commercial Street London E1 6LZ +44 (0)20 3432 5385

E-Mail (competent person) info@bareconductive.com

Emergency telephone number

Telephone

Emergency Phone No. +44 (0)20 3432 5385 - Technical manager

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)
- 2.1.2 Directives 1999/45/EC Preparation is not classified as hazardous according to

Directives 1999/45/EC.

2.2 Label elements

2.2.1 Label elements According to Regulation (EC) No. 1272/2008 (CLP)

Not applicable.

2.2.2 Label elements According to Directive 1999/45/EC

Hazard Symbol Not applicable.

Risk Phrases Not applicable.

Safety Phrases Not applicable.

Other hazards 2.3

2.4 **Additional Information**





3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

EC Classification No. 1272/2008

Ingredients	%W/W	CAS No.	EC No.	Hazard statement(s)
Water		7732-18-5	231-791-2	Not classified.
Natural Resin		Trade secret	Trade secret	Not classified.
Conductive carbon		Trade secret	Trade secret	Not classified.
Humectant		Trade secret	Trade secret	Not classified.
Processing aids and preservatives		Trade secret	Trade secret	Individual levels below 1% do not give rise to classification

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	Classification and Risk Phrases
None				

3.2 Additional Information

For full text of R/H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation Remove patient from exposure. Give oxygen if breathing

difficult. Apply artificial respiration if necessary. Obtain

medical attention if ill effects occur.

Skin Contact Wash affected skin with plenty of soap and water. Remove

contaminated clothing and wash before reuse. Obtain

medical attention if ill effects occur.

Eye Contact If substance has got into the eyes, immediately wash out

with plenty of water for at least 15 minutes. Obtain medical

attention.

Ingestion If swallowed, rinse mouth with water (only if the person is

conscious). Do not induce vomiting. Obtain medical

attention.

4.2 Most important symptoms and effects, both

acute and delayed

Unlikely to cause harmful effects under normal conditions of

handling and use.

4.3 Indication of the immediate medical attention

and special treatment needed

None

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media
Unsuitable Extinguishing Media

As appropriate for surrounding fire. As appropriate for surrounding fire.

5.2 Special hazards arising from the substance or

mixture

Combustion or thermal decomposition will evolve toxic and

irritant vapours.(Nitrogen oxides)

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5.3 Advice for fire-fighters

Self-contained breathing apparatus to be worn if involved in fire. Water spray should be used to cool containers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment Put on protective clothing.

and emergency procedures
Environmental precautions

and emergency procedures

Do not allow to enter drains, sewers or watercourses. If substance has entered a watercourse or sewer advise police

and water authority.

6.3 Methods and material for containment and

cleaning up

6.2

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Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal.

Clean area afterward with water and detergent

Reference to other sections See Section: 8 (Exposure controls / PPE) & 13 (Disposal)

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid contact with skin and eyes. Natural ventilation is

adequate.

7.2 Conditions for safe storage, including any

incompatibilities

Storage Temperature Maximum temperature 25

Storage Life Six month

Incompatible materials

Other information

Maximum temperature 25 degC. Product may be refrigerated

Keep in the original container in a cool, dry place.

but do not freeze

Six months at 25 degC. After opening, use within two months

Strong oxidising agents.

Product may settle on storage. Stir thoroughly before use

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits WEL: Workplace Exposure Limit (UK HSE EH40)

LTEL (8 hr TWA mg/m³)

Not listed
LTEL (8 hr TWA mg/m³)

Not listed

8.2 Exposure controls

8.2.1 Appropriate engineering controlsVentilation recommended. Follow the principles of good

occupational hygiene to control personal exposures.

8.2.2 Personal protection equipment

Eye/face protection Safety spectacles recommended.



Skin protection (Hand protection/ Other)

Plastic or rubber gloves recommended.



Respiratory protection

No personal respiratory protective equipment normally required.



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Other General hygiene measures for the handling of chemicals are

applicable. Wash hands before breaks and after work.

Wash contaminated clothing before reuse.

8.2.3 **Environmental Exposure Controls** Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical

properties (Solution)

Appearance Liquid. Colour Black Odour Slight. Odour Threshold (ppm) Not applicable

pH (Value) 5-7

Melting Point (°C) / Freezing Point (°C) Approx -10 degC Approx 102 – 105 degC Boiling point/boiling range (°C):

Flash Point (°C) [Closed cup] Not applicable. (Not combustible)

Evaporation rate (Water = 1)

Explosive limit ranges Not applicable.

Vapour Pressure (mmHg) 17 mmHg at 20 degC (Water)

Vapour Density (Air=1) Not applicable. 1.2 - 1.25 at 25 degC Density (g/ml) Solubility (Water) Partially soluble

Solubility (Other) Partially soluble in organic solvents

Partition Coefficient (n-Octanol/water) Not applicable Auto Ignition Temperature (°C) Not applicable.

> 100 degC (Partly Evaporates) Decomposition Temperature (°C)

Viscosity

Explosive properties Not explosive. Oxidising properties Not oxidising

9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Oxidises

10.2 **Chemical stability** Stable under normal conditions.

Possibility of highly exothermic reaction with strong oxidizing 10.3 Possibility of hazardous reactions

agents

Viscous liquid

10.4 Conditions to avoid High temperatures 10.5 Incompatible materials Strong oxidising agents.

Hazardous Decomposition Product(s) Nitrogen oxides

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity

Ingestion LD50 :>10 000 mg/kg (rat) (Calculated as product)

Inhalation (4 hrs) Not applicable

Skin Contact LD50 :> 10 000 mg/kg (rabbit) (Calculated as product)

Skin corrosion/irritation Unlikely to cause skin irritation.

Serious eye damage/irritation Product is slightly irritant to eyes. Contains low concentrations (< 0.5%) of corrosive ingredients

Respiratory or skin sensitization Product is not sensitizing.

Mutagenicity There is no evidence of mutagenic potential.

Carcinogenicity No evidence of carcinogenicity. Reproductive toxicity No evidence of reproductive toxicity.

STOT-single exposure Inhalation: Irritation of the respiratory tract.

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Coughing. Unlikely route of exposure. Ingestion: Nausea, vomiting

STOT-repeated exposure (91 days) NOAEL > 10 000 mg/kg/day(rat)(Calculated as product)

11.2 Other information

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity

(Fish) (96hrs) LC50 > 1000 mg/l (Calculated as product)

(Daphnia magna) (48hrs) EC50 > 1 000 mg/l (Calculated as product)

(Algae) (72hrs) EC50 > 1 000 mg/l (Calculated as product)

12.2 Persistence and degradability The organic ingredients are Biodegradable

Bioaccumulative potential (96 hrs) 12.3 The product has no potential for bioaccumulation. 12.4 Mobility in soil The substance is predicted to have high mobility in soil.

Results of PBT and vPvB assessment Not classified as PBT or vPvB. 12.5

12.6 Other adverse effects

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Do not empty into drains. Dispose of this material and its

container at waste collection centre. Dried paint may be disposed of by landfill in accordance with local regulations.

13.2 **Additional Information** The waste is considered to be non hazardous.

14. SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID)

UN number Not classified as dangerous for transport.

14.2 Sea transport (IMDG)

> **UN** number Not classified as dangerous for transport.

14.3 Air transport (ICAO/IATA)

UN number Not classified as dangerous for transport.

15. SECTION 15: REGULATORY INFORMATION

Safety, health and environmental

regulations/legislation specific for the

substance or mixture

15.1.1 EU regulations

Authorisations and/or restrictions on use

15.1.2 National regulations

Not applicable. Not applicable.

15.2 **Chemical Safety Assessment** No Chemical Safety Assessment (CSA) has been carried

out

16. SECTION 16: OTHER INFORMATION

References:

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European Chemicals Agency European Chemicals Bureau European Regulations and Directives Published chemical directories Suppliers' safety data sheets UK Health and Safety Executive

Risk Phrases

Safety Phrases

Hazard statement(s)

Additional Information

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Bare Conductive Limited gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Bare Conductive Limited accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

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